

Project #

12SF110

Site Name:

Dimock Residential Groundwater

## U.S. EPA Region 6 Laboratory

## Laboratory Report Approval and Release Authorization

*Signing the approval below indicates that the data for the above named site/activity number has been reviewed. All data is complete for the samples received and quality control is within acceptable limits. Any exceptions have been noted in the comments section.*

## REPORT APPROVALS

## COMMENTS

David Stockton  
Inorganic Team Leader

Date

Diane Gregg  
Organic Team Leader

Date

Melvin Ritter  
Laboratory Support Team Leader

Date

Sylvia Gorostiza  
QA Coordinator

Date

Marvelyn Humphrey  
Associate Branch Chief

Date

## REPORT RELEASE AUTHORIZATION

## COMMENTS

Richard McMillin  
Deputy Branch Chief

Date

## LIMS Final Report Checklist

Project Name:	Dimock Residential Groundwater		
Project Number:	12 SF110		
Work Order Numbers:	1205010		
Report Format:	R6Chem 32.rpt		
	Yes	No	N/A
1. Is the site name correct on the printed report?	✓		
2. Is the Project Number correct on the printed report?	✓		
3. Are the sample collection dates correctly printed on the report?	✓		
4. Is the correct contact person printed on the report?	✓		
5. Are the Work Order Number(s) correct on the printed report?	✓		
6. Are the correct Work Orders included in the report?	✓		
7. Are the Station IDs correct on the printed report?	✓		
8. Is all appropriate sample data printing on the report?	✓		
9. Is all of the case narrative printing on the report?	✓		
10. Did all of the pages of the report print? Are they all numbered? P120612	✓		✓ <i>aw</i>
11. If TCEQ parameters were requested has the transfer file been stored in the LIMS and is the data printing correctly on the final report?			✓
12. Has the EDD been created and saved?	✓		
13. Has the PDF of the final report been created and saved?	✓		

Reviewed By: Christy Wauen Date: 6/14/12

# **U.S. EPA Region 6 Laboratory Lab Manager Review Checklist**

SITE NAME: <i>Dimock Residential GW Site</i>		Project #: <i>125F110</i>			
		Work Order #: <i>1205010</i>			
		Date Review Started: <i>6/13/12</i>			
Items Reviewed					Comments
	N/A	Yes	No	Fixed	
<b>1. FINAL REPORT</b>					
<b>A. Cover Page Narrative</b>					
1. Electronically Reviewed?		<input checked="" type="checkbox"/>			
2. Format / structure OK?		<input checked="" type="checkbox"/>			
3. Consistency / Readability OK?		<input checked="" type="checkbox"/>			
4. Content OK?		<input checked="" type="checkbox"/>			
5. Quality issues addressed OK?		<input checked="" type="checkbox"/>			
6. Narrative issues have data Qualifiers?	<input checked="" type="checkbox"/>				
7. Other OK?	<input checked="" type="checkbox"/>				
<b>B. Sample Listing Page</b>					
1. Number of Sample reports match?		<input checked="" type="checkbox"/>			
2. Match the COC request OK?		<input checked="" type="checkbox"/>			
2. Station ID's present for all samples?		<input checked="" type="checkbox"/>			
3. Dates / matrix appear OK?		<input checked="" type="checkbox"/>			
<b>C. Analytical Results</b>					
1. Format / Readability OK?		<input checked="" type="checkbox"/>			
2. Sample size / dilutions make sense?		<input checked="" type="checkbox"/>			
3. Reporting limits OK and match result?		<input checked="" type="checkbox"/>			
4. Unusual results addressed in narrative?		<input checked="" type="checkbox"/>			
5. Qualifiers OK / addressed in narrative?	<input checked="" type="checkbox"/>				
6. Other OK?	<input checked="" type="checkbox"/>				
<b>D. Quality Control</b>					
1. Surrogate Problems addressed / OK?					
Organic - Air	<input checked="" type="checkbox"/>				
Organic - VOA	<input checked="" type="checkbox"/>				
Organic - ABN	<input checked="" type="checkbox"/>				
Organic - Pest/PCB	<input checked="" type="checkbox"/>				
Organic - Herbicide	<input checked="" type="checkbox"/>				
2. Lab Blank Issues addressed / OK?					
Organic - Air	<input checked="" type="checkbox"/>				
Organic - VOA	<input checked="" type="checkbox"/>				
Organic - ABN <i>Glycol</i>	<input checked="" type="checkbox"/>				
Organic - Pest/PCB	<input checked="" type="checkbox"/>				

SITE NAME:		Project #:	
		Work Order #: Date Review Started:	
Organic - Herbicide			
Inorganic - GFAA			
Inorganic - ICP			
Inorganic - ICP/MS			
Inorganic - Hg			
EPA Wet Chems			
Other?			
3. LCS Problems addressed / OK?			
Organic - Air			
Organic - VOA			
Organic - ABN - glycol			
Organic - Pest/PCB			
Organic - Herbicide			
Inorganic - GFAA			
Inorganic - ICP			
Inorganic - ICP/MS			
Inorganic - Hg			
EPA Wet Chems			
Other?			
4. Matrix Spike Problems addressed / OK?			
Organic - Air			
Organic - VOA			
Organic - ABN glycol			
Organic - Pest/PCB			
Organic - Herbicide			
Inorganic - GFAA			
Inorganic - ICP			
Inorganic - ICP/MS			
Inorganic - Hg			
EPA Wet Chems			
Other?			
5. Other Control Issues addressed / OK?			
Biology			
t-test criteria ok?			
Wilcoxon criteria ok?			
mortality matches?			
wet chems ok?			
Other			

<b>SITE NAME:</b>		<b>Project #:</b>	
		<b>Work Order #:</b> <b>Date Review Started:</b>	
<b>E. Project Manager Review Issues</b>			
Prep Holding times addressed / OK?		✓	
Analytic Hold Times addressed / OK?		✓	
Dates make sense?		✓	
Important Issues addressed / OK?		✓	
<b>F. Comments Section</b>			
Important Comments addressed / OK?		✓	
<b>G. LIMS Issues</b>			
LIMS functions OK?		✓	
<b>2. COC Cursory Review OK?</b>		✓	
<b>3. Work Order Cursory Review OK?</b>		✓	
<b>4. Bench Sheets/Work Sheets Cursory Review OK?</b>		✓	
<b>5. Check Lists Cursory Review OK?</b>		✓	
<b>6. Log Book Copies Cursory Review OK?</b>		✓	
<b>7. <u>CORRECTIVE ACTION INITIATED?</u></b>		✓	
<b>8. LIMS Sign-off?</b>		✓	
<b>GENERAL COMMENTS:</b>			
<b>SIGNATURE :</b> <i>Richard B. McMillan</i>		<b>DATE Completed:</b> <i>6/17/12</i>	

NA = Not applicable  
 \*Grey shaded areas indicate action is needed.

**U.S. EPA Region 6 Laboratory  
Project File/QA Checklist**

SITE NAME: Dimock Residential Groundwater Site		PROJECT # 12SF110 WORK ORDER #: 1205010		
Matrix and number of sx's:	Liquid	Non-aqueous	Solid	Other
Item	Present ?			Comments
	Yes	No	NA	
1. Original Chain of Custody	✓			
2. Sample Log-in Sheet, Signed?	✓			
3. Shipping papers	✓			
4. Lab Request Sheet/ Work Order, Signed?	✓			
5. Approval and Release Form	✓			
6. Quality Control Data/Summaries				
Organic - VOA				
Organic - VOA Air				
Organic - ABN				
Organic - Pest/PCB				
Organic - Herbicide				
Organic - Other (specify)				
Metals - ICP				
Metals - ICP/MS				
Metals - Mercury				
Metals - Other (specify)				
Other				
7. Sample Preparation Work Sheets (LIMS)			✓	
Physical Description/ Matrix Determination				
Organic - ABN				
Organic - Pest/PCB				
Organic - Herbicide				
Organic - TCLP (specify)				
Organic - Clean Up				
Organic - Solids/Screening				
Metals - ICP				
Metals - ICP-MS				
Metals - Mercury				
Metals - TCLP (specify)				
Other				

9. Log Book Copies (if applicable)			✓	
Organic - Ext. Book Log			↓	
Metals - pH Check			↓	
Metals - Turbidity Check			↓	
Metals - Ignitability Analysis			↓	
Metals - Corrosivity Test			↓	
Other			✓	
10. Biology/Microbiology Data			✓	
Control Data Included?			↓	
Raw Data (copies from Logbook)			↓	
Draft Report (peer reviewed, signed)			↓	
Peer Review sheet			✓	
11. TCEQ Data			✓	
TCEQ Report Forms			↓	
QC Data/Summary / Raw Data			↓	
Comments by TCEQ data reviewer			↓	
Reviewed by Inorganic TL			✓	
12. QAO Checklist				
Requested method (see work order)	✓			
Holding times met	✓			
Samples preserved (if applicable)			✓	
Is this a PT sample(s)?		✓		
Reporting units, QC within limits	✓			
Are corrections needed? (on Report Narrative, incorrect qualifiers)		✓		
SDG case narrative and WO memo fields reviewed	✓			
Report Narrative present on Draft?	✓			
Team Leader comments	✓			
Report narrative approved	✓			
LIMS status changed to QA Reviewed	✓			
Draft Report sent to Lab Manager	✓			
Other?			✓	
GENERAL COMMENTS:				
SIGNATURE: Sylvia Smith		DATE: 6/13/2010		

NA = Not applicable

rev.01 /06/2012



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

## Region 6 Laboratory

10625 Fallstone Rd, Houston, TX 77099  
Phone:(281)983-2100 Fax:(281)983-2248

## WORK ORDER

Printed: 5/24/2012 9:39:41AM

1205010

U.S. EPA, Region 6 ATTN: Christy Warren

Client: R6 Regional Support  
Project: Dimock Residential Groundwater Site

Project Manager: Christy Warren  
Project Number: 12SF110

**Report To:**

R6 Regional Support  
Cynthia Caporale (3EA21)  
10625 Fallstone Road  
Houston, TX 77099  
Phone: (281) 983-2100  
Fax: (281) 983-2248

GPRA Code:  
Cerclis Number:  
Site Spill ID:

Date Due: 06/22/12 15:00 (21 day TAT)

Received By: Isaiah Harris

Date Received: 05/24/12 09:00

Logged In By: Isaiah Harris

Date Logged In: 05/24/12 09:23

Samples Received at: 6°C

Prelim results ASAP. Final hardcopy TAT = 21 days

Package Custody Seal	Yes	Sample Tags	Yes
On Ice	Yes	Chain of Custody	Yes
Intact	Yes	Preserved	No
Sample Custody Seals	Yes		

Code	Analysis	Due	TAT	Expires	Comments
1205010-01	FB23 [Liquid] Sampled 05/23/12 13:25 Central				
ABN RL	ABN Glycols	6/19/12	18	05/30/12 13:25	
1205010-02	HW63 [Liquid] Sampled 05/23/12 13:09 Central				
ABN RL	ABN Glycols	6/19/12	18	05/30/12 13:09	
1205010-03	HW63z [Liquid] Sampled 05/23/12 13:10 Central				
ABN RL	ABN Glycols	6/19/12	18	05/30/12 13:10	
1205010-04	FB22 [Liquid] Sampled 05/22/12 11:58 Central				
ABN RL	ABN Glycols	6/19/12	18	05/29/12 11:58	
1205010-05	HW62 [Liquid] Sampled 05/22/12 15:59 Central				Extra volume for QC
ABN RL	ABN Glycols	6/19/12	18	05/29/12 15:59	
1205010-06	HW64 [Liquid] Sampled 05/22/12 11:10 Central				
ABN RL	ABN Glycols	6/19/12	18	05/29/12 11:10	
1205010-07	HW64-P [Liquid] Sampled 05/22/12 11:40 Central				
ABN RL	ABN Glycols	6/19/12	18	05/29/12 11:40	

Christy Warren  
Reviewed By

6/5/12  
Date



## Sample Log In/Corrective Action Form

Site Name: Dimack Residential Groundwater Site Date Received: 5-24-12Project Number/Work Order Number (Number of Samples [i.e. 01 - 10]): 12SF110/1205010(01-07) Time Received: 9:00Number of Coolers: 2

Delivered By:	<input checked="" type="checkbox"/> Fed Ex / Airborne	<input checked="" type="checkbox"/> USPS	<input type="checkbox"/> Hand Delivered	<input type="checkbox"/> UPS	<input type="checkbox"/> Other
Ice Chest Custody Seal:	Intact	<input checked="" type="checkbox"/> Not-Intact	Absent	<input checked="" type="checkbox"/> Not Applicable	
Ice Chest Packing:	Ice	<input checked="" type="checkbox"/> Vermiculite	Zip Lock Bags	<input checked="" type="checkbox"/> Bubble Wrap	<input checked="" type="checkbox"/> Other
Condition of Samples:	Intact	<input checked="" type="checkbox"/> Leaking	Broken		
Sample Custody Seals:	Intact	<input checked="" type="checkbox"/> Not Intact	Absent		
Chain of Custody:	Present	<input checked="" type="checkbox"/> Absent			
Sample Tags:	Present	<input checked="" type="checkbox"/> Absent			
Is the Sample Tag Marked for Chemical Preservation (if required):	Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Not Applicable		
Is the Sample Tag Marked with the correct chemical preservation? (if required):	Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Not Applicable		

Comments:

Initial: I.H. Date: 5-24-12

Project Officer (PO): \_\_\_\_\_ Phone #: \_\_\_\_\_

Notified PO of any discrepancies/problems on \_\_\_\_\_ by \_\_\_\_\_  
(Date) (Initial)

**No: 3-052312-162912-0256**

Lab: EPA R6 Laboratory

**Lab Contact:**

Lab Phone: 2819832137

[illegible]

Special Instructions:	Shipment for Case Complete? Y
	Samples Transferred From Chain of Custody #
Analysis Key	

[illegible]

Sample Temp:  $6^{\circ}\text{C}$

## USEPA CLP Generic COC (LAB COPY)

## CHAIN OF CUSTODY RECORD

No: 3-052312-111024-0250

DateShipped: 5/23/2012

Lab: EPA R6 Laboratory

CarrierName: FedEx

Case #: CT6030

Lab Contact:

AirbillNo: 7935-9767-7537

Lab Phone: 2819832137

Sample #	Matrix/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
FB22	Aqueous/ Mike Ferrier	Grab	Ethylene Glycol, Ethylene Glycol	23232 (-NA- / 40mlGlassVial), 23233 (-NA- / 40mlGlassVial) (2)	FB22	05/22/2012 11:58	
HW62	Drinking Water/ Mike Ferrier	Grab	Ethylene Glycol, Ethylene Glycol, Ethylene Glycol, Ethylene Glycol, Ethylene Glycol, Ethylene Glycol	23332 (-NA- / 40mlGlassVial), 23333 (-NA- / 40mlGlassVial), 23350 (-NA- / 40mlGlassVial), 23351 (-NA- / 40mlGlassVial), 23352 (-NA- / 40mlGlassVial), 23353 (-NA- / 40mlGlassVial) (6)	HW62	05/22/2012 15:59	
HW64	Drinking Water/ Mike Ferrier	Grab	Ethylene Glycol, Ethylene Glycol	23186 (-NA- / 40mlGlassVial), 23187 (-NA- / 40mlGlassVial) (2)	HW64	05/22/2012 11:10	
HW64-P	Drinking Water/ Mike Ferrier	Grab	Ethylene Glycol, Ethylene Glycol	23204 (-NA- / 40mlGlassVial), 23205 (-NA- / 40mlGlassVial) (2)	HW64-P	05/22/2012 11:40	

Sample(s) to be used for Lab QC: HW62	Shipment for Case Complete? N
	Samples Transferred From Chain of Custody #
Analysis Key	

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
12	None	5-23-12	Isaiah Harris	5/24/12	9:00						

Sample Temp: 5°C

# Sample Log-In Peer Review Checklist

Site Name: <u>Dimock Residential</u>	Project Number: <u>12SF110</u>			
<u>Groundwater Site</u>	Work Order Numbers: <u>1205010</u>			
Are the following items in the report folder?	Yes	No	N/A	Comments
Chain of Custody	✓			
Shipping Airbill	✓			
Work Order	✓			
Sample Log In/Corrective Action Form	✓			
Is the Chain of Custody Signed to accept custody of samples?	✓			
Did the Chain of Custody reflect samples which were scheduled?	✓			
Were any discrepancies noted on the Sample Log In/Corrective Action Form?		✓		
Are the samples logged into the LIMS correctly?	✓			
Are the samples on the Status Report?	✓			
Are the samples deleted from the sample expected list on the Status Report?	✓			
Is the Site Information on the Work Order correct?	✓			
Are the samples logged into the Project and Sample Log In Logbooks?	✓			

Narrative/Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

SCC-POC Signature: Christy Wauen Date: 6/5/12

DIM0095657

ORIGIN ID: BGMA (304) 830-1445  
BRIAN BURRIS, DIM  
TECHLAW, INC  
63 PENNFIELD RD

MONTROSE, PA 18801  
UNITED STATES US

SHIP DATE: 23MAY12  
ACTWGT: 11.0 LB  
CAD: 102122780/INET3250

BILL SENDER

TO **CHRISTY WARREN**  
**US EPA, REGION 6 LABORATORY**  
**10625 FALLSTONE RD**

**HOUSTON TX 77099**

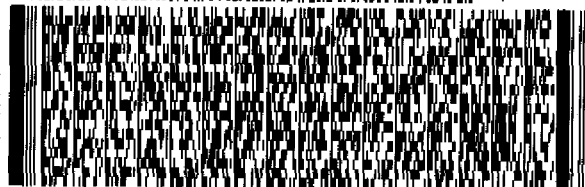
(281) 983-2137

REF: TL01-11-12-001

INV:

PO1

DEPT:



**FedEx**  
Express



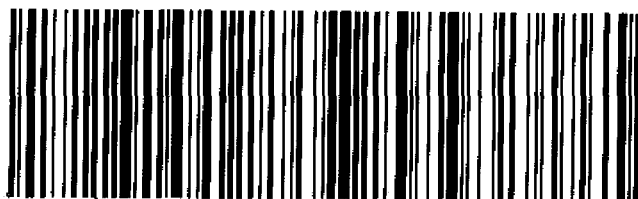
JT2307112190125

TRK# 7935 9767 7537  
0201

**THU - 24 MAY A2**  
**PRIORITY OVERNIGHT**

**XH SGRA**

**77099**  
**TX-US IAH**



P&T # 156287-435 RIT2 08/11

7537  
05/24  
A

7 303

DIM0095833

ORIGIN ID: BGMA (304) 830-1445  
BRIAN BURRIS, DIM  
TECHLAW, INC  
63 PENNFIELD RD

MONTROSE, PA 18801  
UNITED STATES US

SHIP DATE: 23MAY12  
ACTWGT: 10.0 LB  
CAD: 102122780/INET3250

BILL SENDER

TO **CHRISTY WARREN**  
**US EPA, REGION 6 LABORATORY**  
**10625 FALLSTONE RD**

285

51263/6184/9278

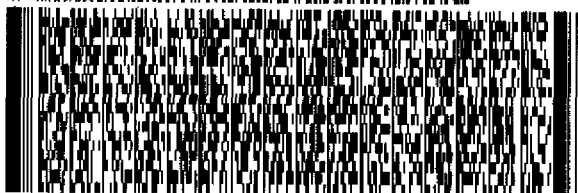
**HOUSTON TX 77099**

(281) 988-2137

REF: TL01-11-12-001

THU:

DEPT:



**FedEx**  
Express



J12101117190125

TRK# 7936 0076 4621  
0201

**THU - 24 MAY A2**  
**PRIORITY OVERNIGHT**

**XH SGRA**

**77099**  
**TX-US IAH**

Part # 156237-435 RIT2 09/11



4621  
05/24